

	For receiving Of	fice use only	
International Appli	cation N		
International Filing	Date		
Name of receiving	Office and "PCT	International Applicat	ion"

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"	
<u>-</u>	Applicant's or agent's (if desired) (12 charac	26/9/-PC.1 (/1699)
Box No. I TITLE OF INVENTION BIOMARKERS FOR DETECTING OVARIAN CANCER		
Box No. II APPLICANT This person	is also inventor	
Name and address: (Family name followed by given name; for a legal entity, fue address must include postal code and name of country. The country of the address must include postal code and name of country. The country of the address is the applicant's State (that is, country) of residence if no State of residence is	dress indicated in this	Telephone No.
JOHNS HOPKINS UNIVERSITY 720 Rutland Avenue	mountain verry	Facsimile No.
Baltimore, Maryland 21205 US		Teleprinter No.
<u> </u>		Applicant's registration No. with the Office
State (that is, country) of nationality: US	State (that is, countr	ry) of residence:
This person is applicant all designated all designated for the purposes of:	ed States except States of America	the United States the States indicated in of America only the Supplemental Box
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	THER) INVENTOR(S	3)
Name and address: (Family name followed by given name; for a legal entity, fu The address must include postal code and name of country. The country of the add Box is the applicant's State (that is, country) of residence if no State of residence is CHAN, Daniel W. 12925 Wexford Park Clarksville, Maryland 21029-1401 US	ress indicated in this indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality: US	State (that is, countr US	y) of residence:
for the purposes of: States the United S	tates of America	the United States of America only the States indicated in the Supplemental Box
Further applicants and/or (further) inventors are indicated on	a continuation sheet.	
Box No. IV AGENT OR COMMON REPRESENTATIVE	i; OR ADDRESS FOR	R CORRESPONDENCE
The person identified below is hereby/has been appointed to act of of the applicant(s) before the competent International Authorities	as:	
Name and address: (Family name followed by given name; for a legal entity, fi The address must include postal code and name of country		Telephone No. (617) 439-4444
CORLESS, Peter F. EDWARDS & ANGELL, LLP P.O. Box 9169		Facsimile No. (617) 439-4170
Boston, Massachusetts 02209 BEST AVAILABI Address for correspondence: Mark this check-box where respondences.	no agent or common re	Agent's registration No. with the Office 33,860 presentative is/has been appointed and the
space above is used instead to indicate a special address to v	which correspondence s	should be sent.

	्र केस्ट्र	Sheet N	Io2	
				URTHER) INVENTOR(S)
If none of the following s Name and address: (Family no	me followed by given n		ll official designation	This person is:
The address must include postal co Box is the applicant's State (that is		• •		applicant only
ZHENG, Zhen 14104 Big Branch Drive Dayton, Maryland 21030	3			applicant and inventor inventor only (If this check-box is
US				marked, do not fill in below.) Applicant's registration No. with the Office
St. (4)			- G	
State (that is, country) of n	ationality: 		State (that is, o	country) of residence:
This person is applicant for the purposes of:	all designated States	all designated the United St	States except ates of America	the United States of America only the States indicated in the Supplemental Bo
Name and address: (Family na The address must include postal co Box is the applicant's State (that is,	de and name of country	. The country of the addi	ess indicated in this	This person is:
RAI, Alex Jaideep 42 Benjamin Place Staten Island, New York US	10303			applicant and inventor inventor only (If this check-box is marked, do not fill in below.)
				Applicant's registration No. with the Office
State (that is, country) of n	ationality:		State (that is, o	country) of residence:
This person is applicant for the purposes of:	all designated States	all designated the United St	States except ates of America	the United States the States indicated in the Supplemental Bo
Name and address: (Family na The address must include postal co Box is the applicant's State (that is,	de and name of country	. The country of the addi	ess indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of n	ationality:		State (that is,	country) of residence:
This person is applicant for the purposes of:	all designated States	all designated the United Sta	States except ites of America	the United States the States indicated in the Supplemental Bo
Name and address: (Family na The address must include postal co Box is the applicant's State (that is,	ie and name of country	The country of the addr	ess indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of na	tionality:		State (that is, c	country) of residence:
This person is applicant for the purposes of:	all designated States	all designated the United Sta	States except tes of America	the United States the States indicated in the Supplemental Box
Further applicants and	or (further) invent	ors are indicated on	another continua	tion sheet.

					Sheet No3			
Во	x No.V	DESIGNATION OF STATES		Ι	Mark the applicable check-boxes b	elov	Ne	ast one must be marked.
Th	e follo	wing designations are hereo, made un	der	Rule	4.9(a):			
Re	gional	Patent						
_	AP A	RIPO Patent: GH Ghana, GM Gar eone, SZ Swaziland, TZ United Re hich is a Contracting State of the Har	pub are l	lic of	Kenya, LS Lesotho, MW Malaw f Tanzania, UG Uganda, ZM Zar col and of the PCT (if other kind o	nbia, f <i>pro</i>	, ZW tectio	Zimbabwe, and any other State or treatment desired, specify or
×	EA E R P	urasian Patent: AM Armenia, AZ A U Russian Federation, TJ Tajikistan atent Convention and of the PCT	A 70r	haiia	BV Belanic KC Kyrmyzcian L	7 K	azabl	etan MD Penublic of Moldova
		uropean Patent: AT Austria, BE zech Republic, DE Germany, DK reece, IE Ireland, IT Italy, LU Lux urkey, and any other State which is a						
X	OA O G C p	API Patent: BF Burkina Faso, BJ A Gabon, GN Guinea, GQ Equatoria had, TG Togo, and any other State votection or treatment desired, specify	Ber Il Gu whic	nin, (uinea, h is a dotted	CF Central African Republic, CG GW Guinea-Bissau, ML Mali, No member State of OAPI and a Cod Iline)	Con IR N	go, (Mauri tino :	CI Côte d'Ivoire, CM Cameroon tania, NE Niger, SN Senegal, TI State of the PCT (if other kind of
Na	tional	Patent (if other kind of protection or	trea	tmeni	desired, specify on dotted line):			
_	ΑE	United Arab Emirates				X	NZ	New Zealand
X	AG	Antigua and Barbuda			Croatia			
X	AL	Albania						
X	AM	Armenia			Indonesia			Poland
X	AT	Austria			Israel	\boxtimes	PΤ	Portugal
\boxtimes	AU	Australia			India	X	RO	Romania
\boxtimes	ΑZ	Azerbaijan			Iceland			Russian Federation
\boxtimes	BA	Bosnia and Herzegovina	_	JP	Japan			
X	BB	Barbados	X	KE	Kenya		SD	Sudan
\boxtimes	BG	Bulgaria			Kyrgyzsta			Sweden
\boxtimes	BR	Brazil			Democratic People's Republic		SG	Singapore
X	BY	Belarus			of Korea		SI	Slovenia
X	BZ	Belize	X	KR	Republic of Korea	. 🛛	SK	Slovakia
\boxtimes	CA	Canada	X	ΚZ	Kazakhstan	. 🛛	SL	Sierra Leone
X	CH &	LI Switzerland and Liechtenstein	X	LC	Saint Lucia	X	TJ	Tajikistan
X	CN	China	X	LK	Sri Lanka	X	TM	Turkmenistan
X	CO	Colombia	\boxtimes	LR	Liberia	X	TN	Tunisia
X	CR	Costa Rica	\boxtimes	LS	Lesotho	X	TR	Turkey
X	CU	Cuba	X	LT	Lithuania			Trinidad and Tobago
X	CZ	Czech Republic	X	LU	Luxembourg			
X	DE	Germany	X	LV	Latvia	X	TZ	United Republic of Tanzania
X	DK	Denmark	X	MA	Morocco	X	UA	Ukraine
X	DM	Dominica	X	MD	Republic of Moldova	X	UG	Uganda
X	DZ	Algeria				\boxtimes	US	United States of America
\boxtimes	EC	Ecuador	\boxtimes	MG	Madagascar			continuation
\boxtimes	EE	Estonia	X	MK	The former Yugoslav Republic of		UZ	
X	ES	Spain			Macedonia	\boxtimes	VN	Viet Nam
X	FI	Finland	X	MN	Mongolia	X	YU	Yugoslavia
X	GB	United Kingdom	X	MW	Malawi			South Africa
X	GD	Grenada	X	MX	Mexico			Zambia
X	GE	Georgia	X	ΜZ	Mozambique	X	zw	Zimbabwe
	GH	Ghana			Norway			
C	heck-b	oxes below reserved for designating S			•	fter i	issuan	ce of this sheet:

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

(ii)

(iii)

(iv)

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If the Symplemental Box is not used, this sheet should not be inclu-



If, in any of the Boxes, except Boxes Nos VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No...." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:

(i)

if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;

if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;

if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;

if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;

if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;

(vi)

if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.

If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

Continuation of Box IV:

CONLIN, David G.
NEUNER, George
BUCKLEY, Linda M.
MANUS, Peter J.
LOWEN, Cara Z.
DALEY, Jr., William J.
BUCHANAN, Robert L.
O'DAY, Christine C.
HAZZARD, Lisa S.
TUCKER, David A.
HARTNELL III, George W.
ALEXANDER, John B.
JENSEN, Steven M.
PIFFAT, Kathryn A.
ROOS, Richard J.
REES, Dianne M.
GITTEN, Howard M.
PENNY, Jr., John J.

The above attorneys are all members of the firm: EDWARDS & ANGELL, LLP P.O. Box 9169 Boston, Massachusetts 02209 US

Continuation of Box V

This application is a continuation-in-part of U.S.S.N. 60/346,536, filed January 7, 2002.

Sheet No.5

Box No. VI PRIORIT	Y CLAIM			
The priority of the following	g earli	y claimed:		
Filing date	Number	Where earlier application is:		is:
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1) 07 January 2002 (07/01/2002)	60/346,536	us		
item (2)				
item (3)				
item (4)				
item (5)				
Further priority claims	are indicated in the Supplemen	ntal Box.		
The receiving Office is req (only if the earlier applica Office) identified above as:	quested to prepare and transmittion was filed with the Office	t to the International Bur which for the purposes of	eau a certified copy of of this international app	the earlier application(s)
all items 🔀 item	(1) item (2)	item (3) item (4)	item (5)	other, see Supplemental Box
* Where the earlier application Industrial Property or one Men	on is an ARIPO application, indi mber of the World Trade Organiza	cate at least one country pa tion for which that earlier ap	arty to the Paris Conventioplication was filed (Rule 4	on for the Protection of
••••••••••		• • • • • • • • • • • • • • • • • • • •		•••••
Box No. VII INTERNA	ATIONAL SEARCHING AU	THORITY	···	
Choice of International Sinternational search, indicate to	earching Authority (ISA) (if he Authority chosen; the two-letter	two or more International code may be used):	Searching Authorities are	competent to carry out the
ISA/us			•••••	
Request to use results of a International Searching Author	earlier search; reference to t	hat search <i>(if an earlier s</i>	search has been carried or	ut by or requested from the
Date (day/month/year)	Number	Country (or region	onal Office)	
Box No. VIII DECLARA	ATIONS			
The following declarations check-boxes below and indic	s are contained in Boxes Nos. Scate in the right column the num	VIII (i) to (v) (mark the a nber of each type of decla	applicable tration):	Number of declarations
Box No. VIII (i)	Declaration as to the identity	y of the inventor		:
Box No. VIII (ii)	Declaration as to the applica date, to apply for and be gra	ent's entitlement, as at the intention at the intention apatent	international filing	:
Box No. VIII (iii)	Declaration as to the applica date, to claim the priority of	nt's entitlement, as at the i the earlier application	international filing	:
Box No. VIII (iv)	Declaration of inventorship (United States of America)	(only for the purposes of t	the designation of the	:
Box No. VIII (v)	Declaration as to non-prejud	icial disclosures or except	tions to lack of novelty	:

This sheet is not part of and does not count as a she

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FEE CALCULATION SHEET

For realing Office use only	
International Application No.	
Date stamp of the receiving Office	

Annex to the Request	
Applicant's or agent's file reference 56792-PCT (71699)	Date stamp of the receiving Office
Applicant Johns Hopkins University et al.	
CALCULATION OF PRESCRIBED FEES	
1. TRANSMITTAL FEE	···· 240.00 T
2. SEARCH FEE	700.00 S
International search to be carried out by ISA/US	
(If two or more International Searching Authorities are competent to carry search, indicate the name of the Authority which is chosen to carry out the i	
3. INTERNATIONAL FEE	
Basic Fee	
Where item (b) of Box No. IX applies, enter Sub-total number of s Where item (b) of Box No. IX does not apply, enter Total number of	
b1 first 30 sheets	407.00 b1
b2 46 x 9.00 =	414.00 b2
number of sheets fee per sheet	
additional component (only if sequence listing part of descriptions is filed in computer readable form under Section 801(a)(i), or be	ion poth
in that form and on paper, under Section 801(a)(ii)): 400 x 0.00 =	0.00 b3
fee per sheet	0.00 05
Add amounts entered at b1, b2 and b3 and enter total at B · · ·	821.00 B
Designation Fees	
The international application contains 97 designations. 5 x 88.00 =	440.00 D
number of designation fees amount of designation fee payable (maximum 5)	
Add amounts entered at B and D and enter total at I	1,261.00 I
(Applicants from certain States are entitled to a reduction of 75% of international fee. Where the applicant is (or all applicants are) so entitled	
4. FEE FOR PRIORITY DOCUMENT (if applicable)	20.00 P
	2,221.00
5. TOTAL FEES PAYABLE	TOTAL
Add amounts entered at T, S, I and P, and enter total in the TOTAL	box
The designation fees are not paid at this time.	
MODE OF PAYMENT authorization to charge postal money order	ash coupons
cheque bank draft AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACC	revenue stamps other (specify):
(This mode of payment may not be available at all receiving Offices)	Receiving Office: RO/ US
Authorization to charge the total fees indicated above.	Deposit Account No.: 04-1105
(This check-box may be marked only if the conditions for deposit	daccounts of Date: 07 January 2003
(This check-box may be marked only if the conditions for deposit the receiving Office so permit) Authorization to charge any discredit any overpayment in the total fees indicated above.	Name: Peter F. Corless
Authorization to charge the fee for priority document.	Signature:
Form PCT/RO/101 (Annex) (January 2002; reprint July 2002)	See Notes to the fee calculation sheet

D	CIT	
r		

FEE CALCULATION SHEET

Applicant's or agent's

1. TRANSMITTAL FEE

3. INTERNATIONAL FEE

2. SEARCH FEE

Johns Hopkins University et al.

CALCULATION OF PRESCRIBED FEES

file reference

Applicant

This sheet is not part of and does not count as	a sheet of the international application.	
PCT	For reading Office use only	
FEE CALCULATION SHEET	International Application No.	
Annex to the Request		
pplicant's or agent's le reference 56792-PCT (71699)	Date stamp of the receiving Office	
pplicant ohns Hopkins University et al.		
ALCULATION OF PRESCRIBED FEES		
TRANSMITTAL FEE	240.00 T	
SEARCH FEE	700.00 S	
International search to be carried out by ISA/US		
(If two or more International Searching Authorities are competent to casearch, indicate the name of the Authority which is chosen to carry out the	erry out the international he international search.)	
INTERNATIONAL FEE		
Basic Fee		
Where item (b) of Box No. IX applies, enter Sub-total number of Where item (b) of Box No. IX does not apply, enter Total number		
b1 first 30 sheets	407.00 b1	
b2 46 x 9.00 =	414.00 b2	
number of sheets fee per sheet		
additional component (only if sequence listing part of description is filed in computer readable form under Section 801(a)(i), of in that form and on paper, under Section 801(a)(ii)):	iption or both	
400 x 0.00 =	0.00 b3	
fee per sheet		
Add amounts entered at b1, b2 and b3 and enter total at B · · ·	821.00 B	
Designation Fees The international application contains 97 designations		
5 88 00	440.00 🗔	
number of designation fees payable (maximum 5) x amount of designation fee		
Add amounts entered at B and D and enter total at I	1,261.00 I	
(Applicants from certain States are entitled to a reduction of 75% international fee. Where the applicant is (or all applicants are) so entit	of the led, the	
FEE FOR PRIORITY DOCUMENT (if applicable)	20.00 P	
TOTAL PERC DAMABLE	2,221.00	
TOTAL FEES PAYABLE	TOTAL	
The designation fees are not paid at this time.	LL DOX	
ODE OF PAYMENT	<u> </u>	一
authorization to charge postal money order	cash coupons	
cheque bank draft	revenue stamps other (specify):	
UTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT A chis mode of payment may not be available at all receiving Offices,		
	Denocit Account No · 04-1105	_

I	Add amounts entered at b1, b2 and b3 and enter total at B · · · 8	21.00 B	
1	Designation Fees The international application contains 97 designations. 5 x 88.00 = 4 The international application contains 48.00 = 4 The international application contains 59.4 The international application contains 48.00 = 4 The international application contains 59.4 The international application fees 59.4 The internatio	40.00 D	
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4. F	EE FOR PRIORITY DOCUMENT (if applicable)	20.00 P	
	OTAL FEES PAYABLE	2,221.00 TOTAL	
<u>ப</u>	The designation fees are not paid at this time.		
MO	DE OF PAYMENT		
	authorization to charge postal money order cash	coupons	
X	cheque bank draft revenue st	tamps other (spe	cify):
	THORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT		
(1n	is mode of payment may not be available at all receiving Offices)	Receiving Office: RO/	US
	Authorization to charge the total fees indicated above.	Deposit Account No.:_	04-1105
×	(This check-box may be marked only if the conditions for deposit accounts of the receiving Office so permit) Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	 ,	er F. Corless
	Authorization to charge the fee for priority document.	Signature:	
orm	PCT/RO/101 (Annex) (January 2002; reprint July 2002)	See No.	tes to the fee calculation sheet

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